

M. J. Fortenberry Reelected Head Of Credit Union

**New Office Hours, Limit
On Investments Voted
By Board Of Directors**

At the first meeting of the new board of directors of the Y-12 Employees Credit Union last week the group elected officers, proclaimed new office hours for the organization and adopted a new scale for investments for individuals and families. The board reelected Morris J. Fortenberry, of Materials Chemistry, as president. He was elected president of the credit union on November 7, 1951, succeeding Joe Williams, who resigned because of press of business.

Other Officers Elected

Other officers named by the board last week were Evan Means, Electrical Maintenance, vice president; Mrs. Lorena Causey, reelected treasurer; and Chester Estes, General Maintenance Office, secretary. Other board members are A. M. Schrader, Field Maintenance; W. K. Prater, Isotope Research; and Lewis Childs, Electromagnetic Research.

The directors voted new and more extensive office hours for the headquarters on the second floor of Bldg. 9704-2. The office now will be open from 8:15 a. m. to 12 noon instead of from 11:30 a. m. to 1 p. m.

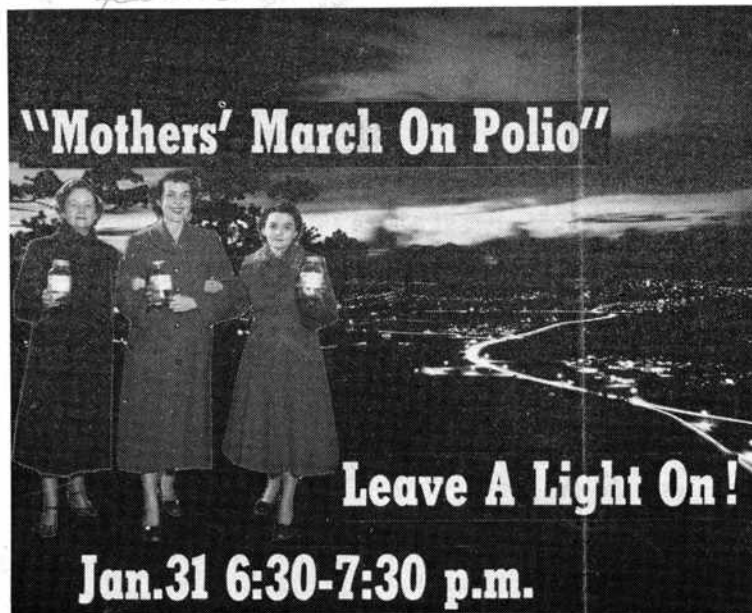
Will Prevent Overbalance

The maximum investment of any one Y-12er in the credit union was set at \$1,000 by the directors, with the family limit being \$2,000. At the same time the initial investment of any share purchaser will be limited to \$100. This was done, according to President Fortenberry, to prevent an overbalance of shares over loans. This condition, he pointed out, would limit dividends in the future and force the credit union to invest its surplus funds in low interest securities.

At the meeting last week Ernie Cobble, of Buildings and Grounds, was named chairman of the credit committee and R. C. Kelley, of Materials Chemistry, selected as chairman of the supervisory committee.

LITTLE POOCH

Aon terrier named "Dusty" was left \$50,000 in the will of his mistress in a condition that he remain a bachelor, according to a Clearwater, Fla., newspaper.



THESE WIVES OF Y-12ERS WILL TAKE PART IN THE Mother's March in Oak Ridge tomorrow night, Thursday, January 31, in behalf of the drive against infantile paralysis. From left they are Mesdames H. M. McLeod, Fletcher Dailey and D. G. Hill. The striking photographic effect was made possible by collaboration between Y-12 Photographer Vince Moore and AEC Photographer Ed Westcott.

Wives Of Y-12ers Will Be In 'Mother's March' For Polio Tonight As \$10,000 Being Sought

Many Y-12 mothers and wives will take part in the annual Mother's March On Polio tomorrow night, Thursday, January 31, in Oak Ridge. They will be among the approximately 600 women pledged to make a door-to-door campaign in an effort to raise \$10,000 as Oak Ridge's contribution to the National Foundation for Infantile Paralysis. The

Mother's March again is being sponsored by the Oak Ridge Junior Chamber of Commerce. The move last year netted \$7,207. The march Thursday will be made from 6:30 to 7:30 p. m.

The pennies, nickles, dimes, quarters and folding money of every Oak Ridger are needed in the campaign against polio, which last year struck 28,660 children and adults in the United States. It was the third highest polio year in American history, with nine states having their worst years.

A considerable number of Oak Ridgers can testify to the benefits gained by their loved ones stricken by the disease contributed by the association and local chapter. The sum asked of Oak Ridgers this year means that every man, woman and child in the city must contribute 32 cents if the objective is to be met.

Dr. C. P. Keim, Superintendent of the Y-12 Isotope Research and Production Division, and Harold E. Walchli, of the same division, will attend the meeting of the American Physical Society in New York City January 31 through February 2.

Walchli will present a paper at the APS meeting prepared by himself, W. E. Leyshon, and Frank M. Scheitlin. The topic is "The Nuclear Gyromagnetic Ratio of Vanadium 50." This is a recently discovered isotope that was enriched for the first time through facilities of the Y-12 Laboratories.

Dr. Keim will present an invited paper at a meeting of the American Association of Physics Teachers, to be held at the same time in New York. His topic is "University Research Laboratories Utilize Enriched Stable Isotopes." His talk will be based on the present program of the Y-12 laboratories on stable isotopes.

These plain black and white figures are a much more powerful argument for continuous observ-

ance of safety principles, rules and regulations than many thousands of written and spoken words. Every Y-12er is urged to take stock of the general situation in regards to safety on and off the job in an effort to drastically reduce the number of mishaps that bring loss of time and money, worry, pain and inconvenience to everyone injured and to members of their families—and last, but not least, the affect of the lost time in accompanying loss of efficiency in plant operations.

The 87 off-the-job accidents

Y-12ers To Be Issued New Badges; Additional Portal To Area No. 5 Will Be Open Next Sunday Night

**Unification Of Badges For All Carbide Units
In Oak Ridge And Paducah Is Being Planned;
Bldg. 9212 Cafeteria Hours Are Changed**

In a general move by the Company to unify and simplify identification badges for all employees, Y-12ers in the near future will receive new "take home" badges for general identification on and off the plant area. The "insert" material for all Y-12 badges that includes the border and lettering above and below the employees' picture and payroll number has been received and the new badges now are being processed for all Y-12ers by the Badge and Pass Office as rapidly as possible.

Hamrick Appointed To Aid Fund Drive Of Red Cross Group

Paschal Hamrick, of the Y-12 Personnel Department, has been appointed assistant chairman of the fund raising campaign of the Oak Ridge Chapter of the American Red Cross for 1951, it has been announced by George W. Flack, another Y-12er who is chairman of the chapter.



Paschal Hamrick

Hamrick has been active in Red Cross and Community Chest drives in Y-12 for the past several years and largely through his efforts the plant has been first "over the top" in these campaigns in practically every effort.

Dates for the 1951 Red Cross drive in Oak Ridge have not definitely been settled, but probably will be during the first two weeks in March.

NUCLEAR LAB PLANNED

The Associated Press has reported that physicists from 12 nations have announced their intention of creating a European nuclear research laboratory that will include a 5,000,000-volt cyclotron. This cyclotron will match the most powerful machine of its kind known to be under construction at Berkeley, Cal.

When the new badges are completed for Y-12 personnel, they will be distributed through divisional channels. An invalidation date for the present badges has not yet been set and the old badges will be recognized by Atomic Energy Commission patrolmen and Y-12 guards alike until the date is announced. In the meantime, the new badges also are valid.

It also was announced last week by the Y-12 Plant Protection Division that a new portal for Area 5 will be placed in service at 11 p. m. next Sunday, February 3. The new portal will facilitate passage to and from buildings in Area 5 to the main Y-12 cafeteria, which beginning on Monday, February 4, will be open for service 24 hours per day, five days per week, Mondays through Fridays. After Friday, February 1, the cafeteria in Bldg. 9212, which has been serving Area 5 personnel, will be open only during the day shift from 7 a. m. to 3:30 p. m.

There will no cafeteria or food service from 11 o'clock on Friday nights until 11 o'clock Sunday nights.

Third Entrance To Area 5
The new portal, located just northeast of the cafeteria parking lot, will provide a third entrance

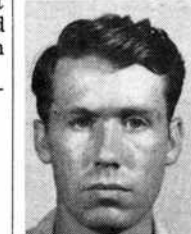
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Former Y-12 Man Cited By Army For Korean Duty

Clayton Hatmaker, a former Y-12er who has been with the 194th Combat Engineer Battalion, Tennessee National Guard, in Korea, has been signally honored by the army with presentation of the Army Commendation Ribbon. He was cited for "able direction of his platoon, serious devotion to duty and careful employment of materials and manpower in engineering projects assigned to him."

Hatmaker was with the Electrical Maintenance Department in Y-12 and left on December 23, 1948. He was not with Y-12 when he joined to Oak Ridge National Guard unit. His wife, Naomi, lives in Lake City.

Hatmaker and the majority of other guardsmen from Oak Ridge who left in 1950 for service in Korea are expected back within the next few days.



C. Hatmaker

Off-The-Job Disabling Accidents More Numerous And Costly To Y-12ers Than Lost Time Mishaps In Plant During 1952

SAFETY SCOREBOARD

**Your Plant Has
Operated
22 Days
Through January 27
Without A Lost Time
Accident**

Off-the-job accidents involving Y-12ers during 1951 were five times as numerous as those occurring in the plant—and cost about twice as much time lost. Figures compiled by the Safety Department show that during last year there were 87 off-the-job accidents that cost 933 days lost from work. This compares to 17 lost-time accidents in the plant that cost approximately 500 days of lost time. **Figures Are Powerful Argument**

These plain black and white figures are a much more powerful argument for continuous observ-

during 1951 cost one life and the loss of a leg by another Y-12er. The other accidents resulted in loss of time from one day up to 50—practically all of which could have been avoided if safety precautions had been taken in advance of the mishaps. The fatality and the disability caused by the loss of the leg were not listed in the time lost figures.

Automobile Accidents Costly

Traffic and other type of accidents involving motor vehicles were far in front among the 87

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Y-12 Photographers May Enter UCC Color Slide Event

Several members of the Carbide Camera Club of Oak Ridge, including Y-12ers, probably will enter the Union Carbide Camera Club color slide contest to be held in New York, March 20, according to Robert Schroeder, of the Y-12 ANP Division, president of the Oak Ridge club. Schroeder received entry blanks for the contest last week and will distribute them to local club members or other Carbide employees desiring to enter the event. The deadline for entries is Saturday, March 1.

Schroeder stressed the fact that contestants need not be members of the Oak Ridge Carbide Camera Club to enter the Union Carbide contest. Anyone wishing entry blanks may obtain them from him at Bldg. 9201-3.

Ten cash prizes will be given in the contest with first prize being \$100, second being \$50, third \$25, fourth and fifth \$20, sixth and seventh \$15 and eighth, ninth and tenth \$5.

Judges will be Albert Dorne, Saturday Evening Post illustrator; Victor Keppler, outstanding advertising photographer; and Franc Ritter, art director for the Eastman Kodak Co.

More details of the contest will be published next week in The Bulletin.



BARNES - LONG

Mr. and Mrs. John Deal Steele, of Eutaw, Ala., have announced the engagement and approaching marriage of their daughter, Miss Mary Elizabeth Barnes, of the Y-12 Health Physics Department; to Edward Crawford Long, of the same department. The marriage will be solemnized at 7:30 o'clock Tuesday night, February 26, at St. Stephens Episcopal Church, in Oak Ridge.

The bridegroom-elect is the son of Mrs. Edward Crawford Long, of Athens, Ga.

The bride-elect graduated from Alabama Polytechnic Institute, Auburn, Ala., while Long is a graduate of the University of Georgia.

FUNDERBERG - CASEY

Miss Blanche Funderberg, of the Y-12 Medical Department, will be married early in April to Hobson Casey, of the General Electric Co., it has been announced by Mr. and Mrs. C. Funderberg, parents of the bride-to-be. The father of the bride is a K-25 employee.

The ceremony will be performed by the Rev. Frank Porter, pastor of the Oak Ridge First Methodist Church.

Parents of the groom are Mr. and Mrs. M. L. Casey, of Henegar, Ala.

The bride-elect graduated from Alabama Polytechnic Institute, Auburn, Ala., and Casey attended Sneed Junior College in Boaz, Ala., and graduated from the University of Tennessee.



The \$64 fishing question of the week—(Mr. "Hole Truth" Means, please copy.)

D. P. Madewell and E. W. Mantz, a pair of Y-12ers from the Administrative Normal Dept., were out fishing on Watts Bar Lake a few days ago. They pulled in 29 largemouth bass and three crappie, all on artificial bait, but that's not the 64-buck inquiry—not yet. It seems as when the largest of the largemouth tribe was being brought fryingpanwise, hooked by Madewell, he shouts to Mantz—"get the net!" Mantz responded, slowly, says Madewell, while the latter brought the fish to within three feet of the net. At that point the bass had other ideas and threw the plug. The pair then vowed a fisherman's oath that Mantz came up with the fish in the net. Now, Mr. Solomon—who caught the five and one-half pound bass?

Looks like a first bounce or dribble play and an assist for somebody.

The Administrative Normal Department extends wishes for a speedy recovery to F. T. McNamara, who is at home in Knoxville recovering from injuries received in an automobile accident on a recent week end. . . . The department welcomes J. B. Griffiths back to work after a two-week absence because of illness. . . . L. B. Seals spent a recent week end with relatives at Tazewell, Tenn. . . . P. E. Burnette spent a recent week end with his family at Spartanburg, S. C. . . . A hearty welcome is extended to William A. Moles who is the newest addition to the roster.

Lillian Hatmaker, of Research Engineering, spent last week's vacation getting settled in the new home she and her husband have recently acquired over on Ball Camp Pike.

Sympathy is extended to C. L. Nelson, of Buildings and Grounds, and the family, at the death of his father-in-law.

Barbara Jackson and Virginia Guettner, of Medical, went galavanting to Memphis, Tenn., over the week end. . . . All the folks in Y-12 who knew Daisy Whitehead are grieved to learn of her recent death in Georgia.

H. W. Krouse, of the Fire Department, with his family, spent last week with his wife's folks in Arvon, Va.

Ann Smith, of the Laundry, spent the week end in Memphis, Tenn., on an extensive shopping tour and visiting with relatives there.

The Property Department extends a hearty welcome to its newest member, Ann McKnight.

Stores extends wishes for a speedy recovery to J. D. McGuffin, Ira Sharp, and John Sharp. . . . D. A. Karraker is the proud owner of a brand new '52 Studebaker.

Get-well wishes go to D. E. Ferguson, of Receiving and Shipping. . . . Best wishes go to Melba Pittman, who resigned recently.

Property Sales extends a get-well wish to Betty Arnett who is ill at her home in Knoxville.

Bob Barron, a former Y-12er in the Security Department, enlisted in the U. S. Army January 11, at Fort Jackson, S. C., where he has completed training as an army security agent. He later was transferred to Fort Knox. Bob is the son of R. J. Barron, who is Y-12's Manufacturing Office Manager.

The Superintendents Department welcomes J. W. Barnett to its roster.

The General Electric Co. welcomes W. O. Chandler, W. V. Smith and R. N. Flagella to the roster.

C. E. Adkins, of Electrical Maintenance, and his family visited relatives in Florida while on vacation last week.

The General Maintenance Office welcomes E. M. Biddle to the roster.

The folks in the Chemical Department were sorry to hear of the death of H. M. Burnett's sister



PICTURED ABOVE ARE DAUGHTERS OF Y-12ERS WHO TOOK PART IN THE OAK RIDGE Girl Scout Court of Awards ceremonies recently. Front row, from left, are Gertie Sue Tolliver, Martha Lou Tolliver, Carolyn Tate, Dorothy Waddell, Nancy Watson, Carol Patterson, Kay Witt, Connie Ross, Linda Campbell and Jody Strevel. In the rear are Lucille Rice, Dixie Boxley, Movelene Hamby, Patricia Wheeler, Doris Ann Coughlen, Emily Duke, Mary Jane McWright, Ruth Ann Dickenson and Joan Dagenhart.

Y-12 Youngsters Active In Program Of Girl Scouts

A score or more of daughters of Y-12ers were active in the semi-annual Court of Awards staged by the Oak Ridge Council, Girl Scouts of America, on January 21 at the Jefferson Junior High School. A total of 243 awards were made at the session, including four five-year bars, seven Curved Bars (comparable to the Eagle Scout badge for boy scouts), two first-class awards and 38 second-class.

In addition to the youngsters, Y-12 also was represented in the adult participation in the program. Mrs. Frances Gilliam, of the Materials Chemistry Division, led her Mariner Troop, No. 42, at the court ceremonies. Mrs. David Smith, wife of a Y-12er, is co-leader of that troop. Mrs. W. C. Tunnell, also wife of a Y-12er, wrote and directed a skit staged by the scouts called "Girl Scouts Are Prepared."

The program at the court ceremonies was in charge of Mrs. Wallace Davis, president of the Oak Ridge council, who was assisted by Mrs. Tunnell.

Four daughters of Y-12ers received the coveted Curved Bar, they being Ruth Ann Dickenson, Doris Ann Coughlen, Emily Duke and Mary Jane Wright. Several others received different awards during the program.

Oak Ridge girl scouts are planning to observe the 40th anniversary of the organization in March.

last week. . . . A welcome is extended to Dennis Davis, who is back at work after a recent illness.

The Analytical Laboratory bunched its variety of news items last week, reporting three weddings and four new folks on the roster. Wedding bells rang on January 19 for James Bridges, Tom Barton and Ann Webb were slated to be married on Monday of this week. . . . Miss Charlie Dalton also became a bride on January 19. . . . The newcomers are Billie Morton, Steve Cowan, Thelma Waters and Sarah Reedy.

The first of those four former Y-12ers who have been battling in Korea was reported in press dispatches to have landed at a West Coast port last week. He is CPL Stewart Hatcher. The others are expected along shortly.

Whether ole' man ground hog sees his shadow or not—the Electromagnetic Research Division employees and their invited guests will hold their annual dance Saturday night, February 2 at the Oak Ridge Golf and Country Club. A get-acquainted hour will be held in the grill room from 8 p. m. to 9 p. m. Music will be furnished by Jerry Collins and his orchestra for dancing from 9 p. m. to 1 a. m. Late supper will be served at midnight. Looks like a big night for folks getting a bid to this shindig.



HERE ARE SOME MEMBERS OF MARINER TROOP NO. 42, Girl Scouts, their leaders and president of the Oak Ridge Girl Scout Council. From left are Mrs. Wallace Davis, the council president; Kay Wollan, Jane Blankenship, daughter of F. F. Blankenship, of Y-12; Marjorie Ryder, Judy Goodlett, Mrs. Frances Gilliam, leader of the troop and wife of a Y-12er; Lorraine Tate, Joan Collett, Gail Gilliam, daughter of the troop leader; and Mrs. David Smith, co-leader of the troop and wife of a Y-12er.



Y-12 Photos By Vince Moore

PROUD WINNERS OF THE CURVED BAR, COMPARABLE to the Eagle Badge of Boy Scouts, are these Oak Ridge Girl Scouts. From left are Mrs. Henry Morgan, a group leader; Ruth Ann Dickenson, daughter of a Y-12er; Lillian Minor, Doris Ann Coughlen, another daughter of a Y-12 employee; Emily Duke, whose father also is a Y-12er; Barbara Hale, Kay Murphy and Mary Ann McWright, another daughter of a Y-12er.

FLOYD DOWNS TO DRAW CARTOONS FOR BULLETIN

Floyd M. Downs, Jr., a junior draftsman in Plant Engineering and capable cartoonist, has consented to do some timely cartoons for The Bulletin. His initial effort appears on Page Four of this edition in connection with the off-job accident story. Downs studied art and cartooning in an Oak Ridge Adult Education Program night class and later took a correspondence school course on the subject from a Minneapolis organization. He came to work in Y-12 in September, 1950, later being transferred to his present department. He formerly worked at K-25.



Two Y-12ers became parents of babies born last week at the Oak Ridge Hospital. William T. McBryde, Assay Laboratory, became father of a girl born January 20. Carl Jones, Maintenance Shops, became father of a boy born January 21.

**Remember—Only you can
PREVENT FOREST FIRES!**

P. C. Ziemke Gives Paper At U-T Graduate School

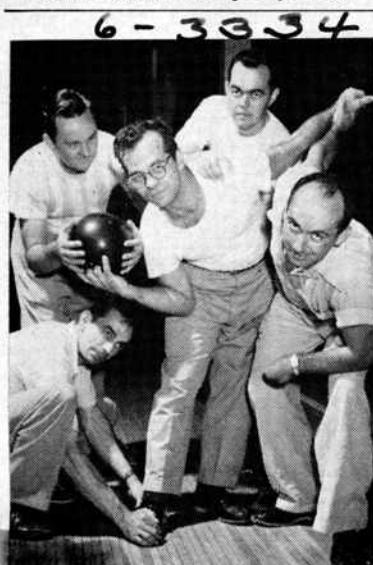
Paul C. Ziemke, of the Y-12 Safety Department, presented a paper before the Graduate School of the Geology Engineering Department of the University of Tennessee on January 23. His topic was "The Problems of the Safety Engineer in Mineral Mining."



The following Y-12 employees were patients at the Oak Ridge Hospital last week: Grady L. O'Kain, Buildings and Grounds; Samuel L. Downing, John L. Henderson, Charles E. Walker and Charles L. Hanahan, Administrative Normal; Florence K. Housch, Health Physics; Lewis Childs, Electromagnetic Research; Charles J. Beckett, Field Maintenance; Nelda R. White, General Administrative; John M. Peele, Analytical Chemistry.

STUFFED SUIT EYED

The Atomic Energy Commission is interested in a khaki suit, stuffed with shredded lead, invented by Leo Pauwels, of Los Angeles, to shield his son against radiation from an atomic bomb, says the Washington News.



TAKEN EARLIER IN THE season, this picture shows George Schaeffer, of the Activators bowling team, getting a lot of instruction from his teammates. After an up and down first half of the season record, the Activators last week blanked the Isotopes to take over the D League lead. From left in the picture are John Kennedy, on floor, Bill Mattingly, Schaeffer, J. P. Ross and George Gritton.

Activators Blank Isotopes To Lead D Bowling League

The agile Activators really became activated by Isotopes last week in the D League as they scored a whitewash victory to take over sole possession of first place in the plant bowling circuit. The Toppers, previous leaders in the second half of the season, dropped back to a second place tie as they lost three to the Vectors. Sharing second place was the Grocers, who licked the Old Men for three. In the remaining match the Hoboes humbled the Woodchucks by the same margin.

Bill Mattingly, of the Activators, took series scoring honors with a 556 scratch and 655 handicap effort. Earl Crow, of the Hoboes, was the best single game scorer with a 224 and 268.

The Hoboes walked away with the majority of the team scoring tops, posting a 994 handicap game, 2305 scratch series and 2929 handicap series. The latter score was high for the second half of the season. The Activators and Grocers tied for the best scratch game with 797.

League standing follows:

Team	W	L
Activators	10	2
Toppers	8	4
Grocers	8	4
Old Men	6	6
Vectors	6	6
Hoboes	5	7
Woodchucks	3	9
Isotopes	2	10

Y-12 Women Bowlers Lose To Hospital

The Y-12 women's varsity bowling team had a tough night against the Oak Ridge Hospital keglers last week, dropping two out of three games. The Y-12ers lost the first two games by 802 to 709 and 740 to 726 before they broke into the win column for a 701 to 671 victory. Total scores were 2213 for the Hospital lassies and 2136 for Y-12. The Hospital's first game of 802 was high for the season in the league.

Ruby McGinnis led the Y-12ers with 181, 149, 134—464; followed by Betty Whitehorn 142, 150, 161—453; Margaret O'Neal 125, 169, 152—446; Katie Williams 121, 126, 140—387; and Juanita Kirwan 140, 132, 114—386.

Y-12 Pistol Team Outshoots K-25

After outfiring the K-25 pistol team by 1438.374 to 1433.14C last Friday night, the Y-12 pistolers

Biology And 12s Tied For Lead In Plant Loop

No Goodricks Establish Scoring Record; Good Games Are Presented

Competition was close in the Inter-Plant Basketball League at the end of last week with several close games being staged by the contestants and interest remaining high among the teams from Y-12 and Oak Ridge National Laboratory composing the loop.

The schedule for the coming week follows:

Wednesday, January 30, Jefferson—6 p. m., Bldg. 9212 vs Machine Shop.

Monday, February 4, Jefferson—6 p. m., Biology vs No Goodricks. 7:30 p. m., Wildcats vs Metallurgy. 9 p. m., Bldg. 9212 vs Orsots.

Tuesday, February 5, Jefferson—6 p. m., Machine Shop vs Rough House Five. 7:30 p. m., Biology vs Wildcats. 9 p. m., Bldg. 9212 vs No Goodricks.

The Rough House Five handed Biology its first defeat of the season last week with a close 38 to 36 victory. Another close one saw the No Goodricks rally to trim the Wildcats 37 to 33. Other games saw the Wildcats beat the Orsots 40 to 27, the No Goodricks whip Metallurgy 37 to 26, the Orsots maul the Machine Shop by 48 to 26, and Bldg. 9212 top Metallurgy by 33 to 25.

After the Friday night play the race was deadlocked between Biology and Bldg. 9212, each with five wins and one loss. In games that night the "12s" beat the Wildcats 33 to 21. The No Goodricks set a season's scoring record when they beat the Machine Shop by 64 to 25. The Metallurgy quint took a fairly close one from the Rough House Five by 32 to 26.

League standing follows:

Team	W	L
Biology	5	1
Bldg. 9212	5	1
Metallurgy	4	2
No Goodricks	4	2
Rough House Five	3	3
Wildcats	2	4
Orsots	1	5
Machine Shop	0	6

Hurricanes Extend Lead In C League, High Scores Posted

The jet-propelled Hurricanes blew their way to a substantial lead in the C League last week with a three-point victory over the Thin Pins while the second-place Orphans took a licking from the Guards by the same margin. The Hornets buried the Moles by three points and the Hooks and Short Circuits broke even.

The Hurricanes set second half of the season high scores with an 851 scratch game and 2485 scratch series. Their 2875 handicap series also was tops for the night. The Thin Pins also had a second half high score with their 1018 handicap game.

Len Hart aided the "blow boys" along with his 204 scratch game and 567 scratch series. Ray Duckworth, of the Hornets, had a 241 handicap game and Galloway, of the Hooks, a 645 handicap series to lead the board.

League standing follows:

Team	W	L
Hurricanes	13	3
Orphans	10	6
Hooks	10	6
Guards	8	8
Short Circuits	7	9
Moles	6	10
Thin Pins	5	11
Hornets	5	11

will meet the Independents tonight.

The five high Y-12 handicap scorers against K-25, with their scratch scores were M. E. LaVerne 254—290.535; L. K. Bair 270—290.013; V. O. Haynes 138—287.315; C. B. Mills 206—285.299; and J. C. Ezell 193—285.223.

Y-12 SPORTS

Mezzanine Maulers Get Lead Easy Way; Scoring Honors Split

The Mezzanine Maulers advanced to the lofty heights in the E League standings last week the easy way by gaining a forfeit from the Gophers. The Dash Fours took three from the Rusty Five and the other loop matches were divided with the Three Ds and the Cut Ups and the Easy Aces and the Strikers.

Four bowlers shared individual scoring honors. Clyde Bowles, of the Rusty Five, had a 192 scratch game for tops. Gritton, of the Strikers, had the best handicap game of 225. Corba, rolling for the Dash Fours, posted a 489 scratch series and George Mitchel, also a Rusty Five keglers, had a 630 handicap series.

The Easy Aces rolled the best team game scores with a 800 and 1003 while the Dash Fours were tops with a 2227 scratch series, boosted to 2887 with handicap.

League standing follows:

Team	W	L
Mezzanine Maulers	7	1
Dash Fours	6	2
Three Ds	5	3
Cut Ups	3	5
Easy Aces	3	5
Strikers	3	5
Gophers	3	5
Rusty Five	2	6

Kemps, Strickettes Score Shutout Wins In Women's League

The Kemps took their second straight shutout victory of the second half of the season of the W League of plant keglers last week when they blanked the Make Ups and took over undisputed possession of first place with a spotless record. The Strickettes, steady occupants of the second division in the first half of the season, also won a shutout triumph last week, their first whitewash win of the schedule, to gain a tie for second place. The Strickettes whipped the Mix Ups and shared the runner-up spot with the Controllers, who took two from the Cracker Jax. The Woes won the other loop engagement by trimming the Hi Balls for two out of three.

Mary Shultz, a substitute bowler on the Cracker Jax, took high scratch scoring honors with a 213 single game and 526 series. Audrey Baldwin, of the Hi Balls, posted a 221 handicap game for tops and Doris Moore, rolling for the Controllers, came through with a 613 handicap series for best of the night.

The Controllers also had the best game scores with a 781 scratch and 994 handicap figures. The Kemps rolled the top series tallies of 2092 scratch and 2752 handicap.

League standing follows:

Team	W	L
Kemps	6	0
Controllers	4	2
Strickettes	4	2
Cracker Jax	3	3
Woes	3	3
Make Ups	2	4
Mix Ups	1	5
Hi Balls	1	5

Varsity Pinmen Blank Friedman's

The Y-12 varsity bowling team handed the league leading Friedman's Jewelry keglers a four-point shutout on Monday night, January 21. The victory put the Y-12ers one point out of second place in the Oak Ridge Men's City League and nine points ahead of the fourth place team in the 12-club circuit. Frank Gragg rolled a 225 scratch game in the Y-12 triumph and Roy Roberts came through with a 571 series.

Y-12ers Will Meet Nashville Cagers In Twin Bill Sunday; 'Ladies' Rough Up Robins 31-23

Atlantans Too Big, Strong; Cards Capture Two Out Of Three Tilts

The Y-12 Robins got their wings clipped and their feathers rubbed the wrong way by a larger and tougher bunch of basketeers in Atlanta, Ga., last Sunday, the Lorelei Ladies of the Dixie metropolis taking a 31 to 23 decision.

Despite the loss the Robins won the plaudits of the crowd, most of whom started pulling for the Oak Riders after they held up gamely under the onslaught. Helen Brown tallied 11 points for the victors and Ruby McGinnis eight. Sue Strange got two and Bonnie Roberts and Imogene Loy one each.

Robins Beat Legion Lassies

The Robins, meanwhile, kept at the top of the Oak Ridge loop last week by coasting to a 25 to 20 win over the American Legion lassies. In this game Loy got eight, McGinnis seven and Brown six.

The Cardinals had their best week of the season, taking two out of three games and coming within one point of another win. The red and white saw a four-point lead fade away in the last quarter when K-25 upset them by 38 to 37. However, they came back to trim Sweetwater by 50 to 43 and General Electric fell earlier by 43 to 33.

Corba, Barker Star

In the K-25 clash the Cards badly missed their ace, Walter Wolfe—so Barker and Corba shared the scoring with nine each and Nelson and Hammil swished the hoops for six each. Corba had a good night against General Electric with 16 points and then came Barker with eight and Hammil and Ranshoff with seven each. Wolfe got in the Sweetwater tilt and pushed 23 tallies through the rims.

Three Teams Tied For First, Second Places In B League

Those B League plant keglers are certainly fraternal—or jealous—they don't like to be in one place in the standings all by themselves. So, as a result of last week's alley activities, three teams ended up in a tie for first place, three more were deadlocked the next spot of two more were knotted a little further down the ladder.

The rampaging Rebels treed the Tigers for four points while the All Stars were stunning the Comets and the Wolves walloping the Cubs, each by three, to put the victors in a three-way tie for first place. The Rippers and Wasps blanked the Bldg. 9211 and One-91 teams respectively and the Bumpers beat the Bums for three to place these winners in a tie for second place.

Ernie Cobble, of the Bumpers, and Len Hart, of the Rippers, tied for scratch game at 213. Thurman Moyer, rolling for the Wolves, had the best handicap scores of the night with a 248 game and 684 series. Frank Gragg, a Wolf, rolled a 577 scratch series for tops.

The Rebels walked away with most of the top team scoring, rolling a 900 scratch game, boosted to 1050 with handicap; and a 2952 handicap series. The Rippers had a 2532 scratch series.

League standing follows:

Team	W	L
Rebels	24	12
All Stars	24	12
Wolves	24	12
Bumpers	23	13
Rippers	23	13
Wasps	23	13
Comets	19	17
Bums	15	21
Tigers	15	21
Cubs	9	27
Bldg. 9211	9	27
One-91	8	28

Plant Women To Play ORNL Lassies Thursday; Harriman On Slate

Both Y-12 varsity basketball teams will be given acid tests during the next couple of weeks, as the Cardinals and Robins face some top flight outside competition in addition to their Oak Ridge City League contests. The Y-12ers will pit their strength against basketeers from Atlanta, Harriman and Nashville and a good showing against these teams will give them a high rating among independent hoopsters of this section.

Robins Meet Lab Thursday

Only two league contests are set for the Y-12 cagers during the coming week. The Robins will take on the Oak Ridge National Laboratory lassies at 7 o'clock tomorrow night, Thursday, January 31 in a preliminary game that will throw the AEC and General Electric quintets into action at 8:30 o'clock. The next appearance of a red and white outfit will be at 9 o'clock Thursday night, February 8, when the men's team of Y-12 and ORNL will meet after a 6:30 o'clock session between the American Legion and ORNL women and a 7:45 p. m. game between men's teams of K-25 and Atomic Energy Commission.

The Robins and Cardinals will resume their traveling next Sunday, February 3, when they invade Nashville. The Robins will seek revenge for that trimming handed them recently in Oak Ridge by the Nashville Business College, meeting the NBC girls at 2:30 o'clock. The Cardinals will play the highly touted Washington Manufacturing Co. quintet an hour later. The games probably will be played at the Father Ryan High School, close to the center of the city, and a number of Y-12 fans are expected to accompany the clubs.

Play At Harriman Tuesday

Both Y-12 teams will take off again Tuesday night for Harriman for another double header.

One of the best basketball attractions of the season is expected in Oak Ridge on Saturday night, February 9, at the high school gymnasium, when the East Point Motors Peaches, of Atlanta, come here to meet the Robins. The Cardinals may join in the entertainment program with a game of their own.

The Robins and Cards then are slated for another trip to Atlanta on Sunday, February 17, when the Robins play the Peaches and the Cards a team yet to be named.

Student Driving Costs Less Than A Smashed Fender

Instruction of young persons of legal driving age in proper driving of a motor vehicle costs less than the average price of repairing one smashed fender, the Nashville Tennessean quotes Clydell Castleman, of the Nashville Automobile Club. A required course in driver education for every Tennessee high school student, he estimates, could cost less than \$35 per student. The paper adds that it would be the cheapest and most valuable addition to a standard high school curriculum that possibly could be devised.

HUNTING SEASON CLOSES ON MOST STATE GAME

Y-12ers can hang up the old flintlocks, muzzle loaders or their modern firearms now. The hunting season on practically all game in Tennessee now is closed. The open period for hunting rabbit, quail, rough grouse and other game ended January 25. The open season on raccoon closed December 31.

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**Frequent Inter-Plant
Transportation Given**

Inter-plant shuttle transportation service for both passengers and mail now is available for service between Y-12, K-25, Oak Ridge National Laboratory and Clayton Hall eight times daily. This service is in addition to the shuttle service between Y-12 and Oak Ridge National Laboratory, which will continue on its present schedule and points of departure.

Passengers on the inter-plant shuttle who are not badged for entry into Y-12 will use the waiting room at the office of The Bulletin and Recreation Office, Bldg. 9701-1, North Portal, to allow the vehicles to enter the Y-12 plant area for pickup and delivery of mail at the Mail Room, Bldg. 9704-2. The point of departure at K-25 is Room D-124, Bldg. K-1001; and at Oak Ridge National Laboratory is Bldg. 2068. The shuttles stop at the mail section of Clayton Hall.

The shuttles are operated in two sections and the schedule follows: No. 1 leaves K-25 at 8 a. m., 10 a. m., 12:30 p. m. and 2:30 p. m., arriving at Y-12 at 8:50 a. m., 10:50 a. m., 1:20 p. m., and 3:20 p. m., running via Oak Ridge National Laboratory. No. 1 leaves Y-12 at 9 a. m., 11 a. m., 1:30 p. m. and 3:30 p. m., running via Clayton Hall and arriving at K-25 50 minutes later.

No. 2 has the same departure and arrival times at both K-25 and Y-12, but this service comes to Y-12 via Clayton Hall and returns to K-25 via ORNL.

**Bad Weather Driving
Can Be Hazardous**

Careful driving on roads made slippery by rain and otherwise bad weather can save many lives—maybe your own.

All roads, even those of concrete surface, can become slick and treacherously dangerous when wet. So every motorist should keep his car under control at all times and stop, turn and use brakes with caution.

Keep Under Full Control

Curves should be approached under full control and speed should be reduced on nearing railroad tracks, bridges and hills. All warning signs should be observed at all times, particularly when they indicate abnormal conditions, such as "slippery when wet" and "men working ahead."

Before descending steep or slippery grades, motorists should shift into second or low gear. This saves wear on brakes and insures a safe speed.

When driving at night in heavy rain or fog the low beams of the headlights should be used. Brilliant lights not only reflect the glare of the road back at the driver to reduce visibility but they also are a hazard to approaching drivers.

Soft earth shoulders on highways are a definite hazard to all drivers. When motorists are forced off the pavement they should immediately cut power and use brakes cautiously. They should not attempt to pull back on the pavement too soon or control of the vehicle may be lost, particularly if the shoulder drops off sharply from the road.

Naturally, motorists who keep their cars in good and safe condition are at an advantage in such bad weather. Brakes always should be kept in good shape and the windshield wiper also is an important piece of equipment that always should be kept in working order.

Whenever you say "People are Funny"—don't forget you are one of them.

Remember—Only you can
PREVENT FOREST FIRES!

**Off-Job Mishaps
More Numerous
Than In Plant**

Continued from Page 1

off-the-job disabling accidents injuring Y-12ers last year. There were 36 of these accidents as compared to 24 in homes and 27 from miscellaneous causes. The fatal accident resulted from a boat



captizing, drowning a fisherman. The loss of leg was incurred when an employee was struck by an automobile after alighting from a bus, causing such severe injuries that one-third of the right leg had to be amputated.

The other traffic injuries resulted from a wide variety of accidents. Head-on automobile collisions frequently were mentioned in the report of the off-the-job mishaps and other traffic accidents included skidding off icy roads, turning over on soft shoulders, being knocked under a truck the victim was helping to push out of a ditch and having a hand fractured when a jack slipped while a tire was being changed.

Accident Causes Widely Varied

Just as wide a variety of home and miscellaneous accidents put Y-12ers on the shelf for varied lengths of time. Stopping on steps, slipping on floor, spilling hot water and stepping on a nail were included among the more commonplace causes listed for off-the-job accidents. Among the more unusual causes of accidents ranged from an over-exposure under a sun lamp, striking a match to an overfilled cigaret lighter to a blistered heel from wearing new shoes. Other accidents that cost loss of time to Y-12ers off-the-job included jumping rope at home with a child, fall on sharp rock while fishing, friendly scuffling at a party, being struck with a swing at the East Tennessee fair and the explosion of a pressure cooker.

It is possible that a number of the 87 off-the-job accidents listed last year were not the fault of the Y-12ers injured in the mishaps. At the same time many of them could have been completely avoided.

A recognition of the obligation of everyone to be on the lookout for hazards that might cause accidents should be constantly on the mind of every Y-12er. Good judgment, common sense and observance of ordinary safety principles will pay off—for safety's sake, and for your sake.

**Rides Wanted
And Offered**

Four Riders Wanted—From North or West Knoxville, swing shift. Kyle Nelson, plant telephone 7639, home telephone 6-2091.

Riders Wanted—From downtown or West Knoxville, straight day. Bob Affel, plant telephone 7690, home telephone 3-9590.

Rider Wanted—From Oak Ridge to Spartanburg, S. C., each week end. P. E. Burnette, plant telephone 7573.

**Y-12ers Will Receive
New Badges For Plant**

Continued from Page 1

to Area 5. Y-12ers leaving that area will exchange their Area 5 badges on departure by either of the entrances and will be required to reenter the area by the same gate used in the exit.

The new badges now are being planned for all Carbide employees in the three Oak Ridge units of the Company and also at the Paducah plant. They are uniform in size and the unit identification is shown in a one-quarter inch colored strip across the top. Y-12 badges have a blue strip, Oak Ridge National Laboratory will have green, K-25 red and Paducah yellow. The plant identification will be printed in white across this colored strip and in black lettering will be the words "Carbide and Carbon Chemicals Company."

The picture, name and badge number and overall dimensions of all badges will be uniform in size for each of the four Carbide units. The overall size of the new badges is the same as that of the present Y-12 badges.

The bottom one-quarter inch strip on the new badges will be used for whatever single or multiple plant coding that may be required for individual employees. For Y-12 employees authorized to enter Area 1 the bottom strip will be solid blue. For those authorized to enter Area 3, their badges will have a white figure 3 printed on the blue strip. These are the only two general designations in the Y-12 plant area. For entrance into the exclusion areas where these badges are exchanged for special area authorization badges, the procedure will be the same as now is in effect.

Attendance Record

MAJOR LEAGUE				
More Than 50 Employees Scheduled				
Dept.	Absent Percentage	1-20-52	1-13-52	Standing
2077	0.8	1	2	
2060	1.1	2	3	
2617	1.5	3	1	
2003	1.7	4	7	
2091	2.3	5	4	
2001	2.6	6	11	
2142	2.8	7	5	
2790	3.2	8	12	
2618	3.4	9	6	
2018	3.5	10	7	
2014	3.6	11	9	
2773	4.0	12	10	
2015	5.6	13	8	
2619	7.0	14	13	

Group absentee percentage was 3.6 per cent, .7 per cent higher than the preceding week.

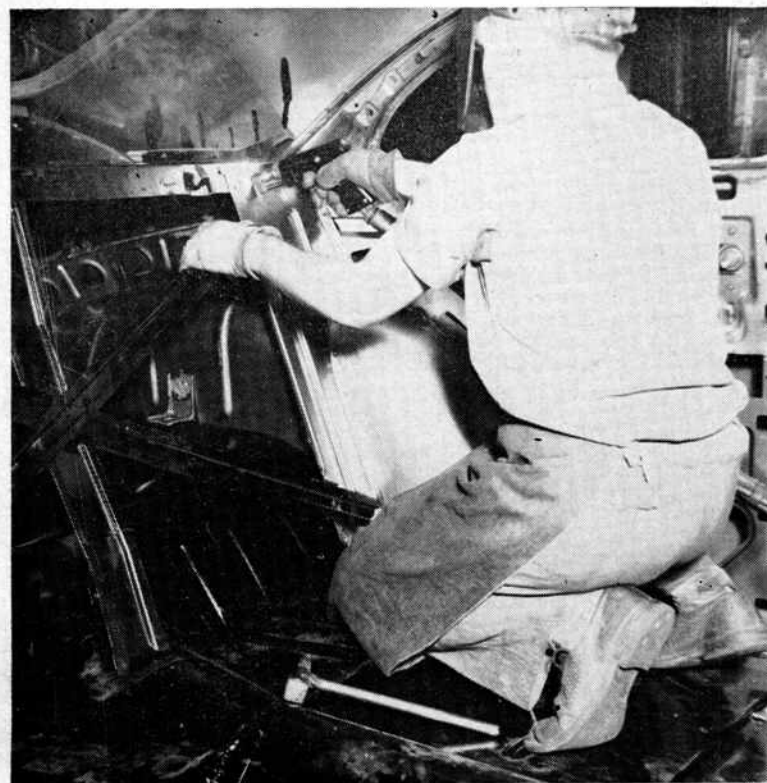
MINOR LEAGUE				
15-49 Employees Scheduled				
Dept.	Absent Percentage	1-20-52	1-13-52	Standing
2093	0.0	1	1	
2200	0.0	1	1	
2743	0.0	1	1	
2002	0.0	1	1	
2005	0.0	1	1	
2145	0.0	1	2	
2143	0.0	1	3	
2107	0.4	2	3	
2109	0.9	3	3	
2144	1.1	4	1	
2064	1.5	5	11	
2133	2.8	6	9	
2108	2.9	7	12	
2090	3.7	8	12	
2739	3.9	9	10	
2008	4.0	10	8	
2096	5.5	11	13	
2616	6.5	12	5	

Group absentee percentage was 2.2 per cent, .5 per cent lower than the preceding week.

The plant average for the week ending January 20 was 2.9 per cent, the same as the preceding week.

**Two Y-12 Isotope Scientists
Speak At Southern Schools**

Two Y-12ers in the Isotope Research and Production Division made recent talks at southern universities. Dr. C. P. Keim, divisional superintendent, spoke Monday night before the Society of Sigma Xi, an honorary scientific society, at the University of Georgia, Athens. Last Friday night Dr. Russell Baldock spoke at Alabama Polytechnic Institute, Auburn, Ala. on "Mass Spectrometry."



A DETROIT AUTOMOBILE WORKER IS SHOWN ABOVE "shooting" a reinforcing brace in an automobile body into place, using a HW-8 spot-welding torch, product of the Linde Air Products Co., a unit of Union Carbide and Carbon Corporation.

**Workers "Shooting" Automobiles
Together With New Welding Torch**

Workers are "shooting" automobiles together today in Detroit assembly lines with Linde pistols. It's a quick job, taking only a few seconds for each operation, but the job will last the lifetime of the car.

The tool being used is the new Heliarc spot-welding torch, the HW-8. This product of the Linde Air Products Co., a unit of Union Carbide and Carbon Corporation, can be used to weld stainless steel, low alloy steel, and mild steel.

Looks Like Automatic Pistol

The HW-8 looks like an automatic pistol, except for a thick cable extending from the butt end. The cable holds the power, gas, and water lines used in operating the torch. The power makes the weld, the gas shields the welds being made, and the water keeps the torch cool. The three lines enclosed in the cable, feed into the torch, which is about the size of a pistol and is easily held in one hand.

The welds are made by a fixed electrode in the "nozzle" of the pistol through which electricity flows. Around the electrode is a cup-like shield, and argon gas flows from the cup down around the electrode as the weld is being made. This gas shields the welding operation from the atmosphere.

Can Weld Inside Or Outside

The welder can make a weld inside the automobile body, or he can do the job from the outside. All he has to do is put the "muzzle" of the pistol against the spot where he wants the weld and pull the trigger. The trigger controls the power and gas supply, and it is connected to a timing device that automatically shuts off the gas and power as soon as the weld is made. The welder then "aims" the pistol at the spot where he wants a weld, and pulls the trigger again.

A few quick "shots" from the pistol strengthen the body cowlings, a few more join the windshield frame to the cowlings. The rear side panels are joined to the floor with a few more tacks, then door sills are tacked to the floor. All of the

**Y-12 Rifle Team
Loses To GE Group**

The Y-12 rifle team was scheduled to fire against the Oak Ridge National Laboratory gunmen on Monday night, January 28, after having dropped a close decision to General Electric in the first match of the second half of the season. The General Electric margin was by only eight points, the handicap score being 961.493 for GE to 953.361 for Y-12. The Y-12ers now are in fourth place, having fired six matches and having nine to go.

The Y-12 scratch and handicap scoring against General Electric was J. M. Rose 166—194.560; W. D. Cunningham 151—192.160; W. R. Rathkamp 181—190.161; Ray Wells 132—189.120 and J. R. Helton 121—187.360.

tack-welds are made in a few seconds.

These torches are being made at the Newark, N. J., plant of Union Carbide and Carbon Corporation's Apparatus Division. Argon, used in this operation, is another gas Linde separates from the air, and it is shipped to users in cylinders.

JANUARY 2-31
**GIVE Voluntarily TO
MARCH OF DIMES**